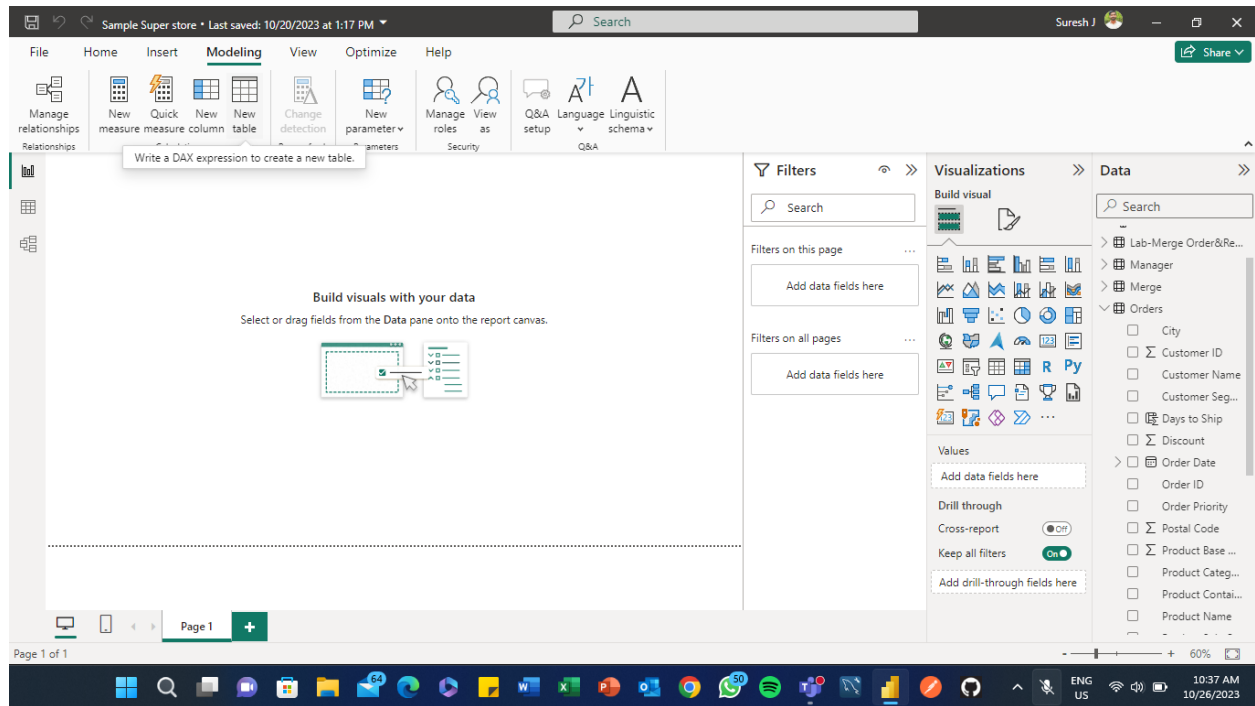
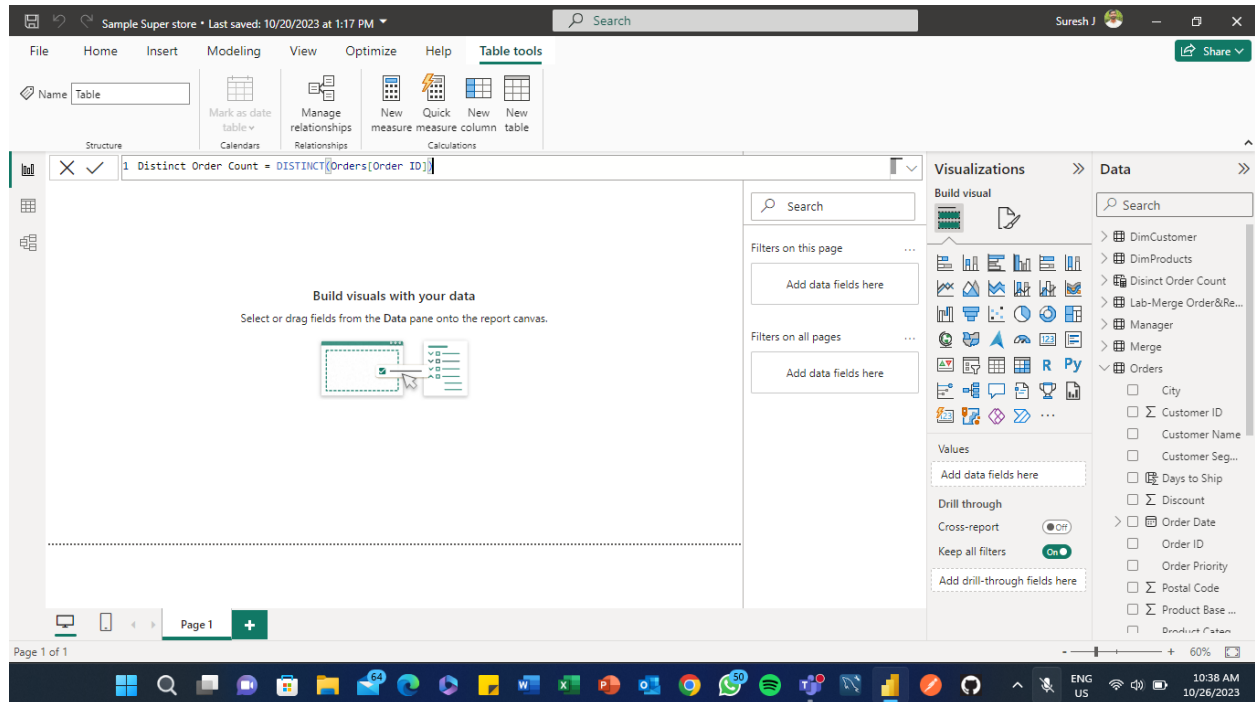


SURESH
Power BI Session
Module 5

Creating New Table



Using Distinct Function



Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools

Name Disinct Order Count

Structure

1 Disinct Order Count = `DISTINCT(Orders[Order Date])`

Order Date

7/7/2010 12:00:00 AM
7/27/2011 12:00:00 AM
11/9/2011 12:00:00 AM
7/1/2013 12:00:00 AM
12/13/2010 12:00:00 AM
5/12/2012 12:00:00 AM
5/26/2011 12:00:00 AM
12/29/2012 12:00:00 AM
10/30/2012 12:00:00 AM
12/25/2012 12:00:00 AM
10/4/2011 12:00:00 AM
8/15/2010 12:00:00 AM
2/24/2012 12:00:00 AM
4/8/2010 12:00:00 AM
5/28/2010 12:00:00 AM
12/4/2011 12:00:00 AM
4/29/2012 12:00:00 AM
1/19/2013 12:00:00 AM
1/21/2013 12:00:00 AM
2/12/2010 12:00:00 AM
2/12/2013 12:00:00 AM
4/20/2011 12:00:00 AM
4/6/2012 12:00:00 AM

Table: Disinct Order Count (1,352 rows)

Table tools: Mark as date table, Manage relationships, New measure, Quick measure, New measure column, New table

Data

- DimCustomer
- DimProducts
- Disinct Order Count
- Lab-Merge Order&Return
- Manager
- Merge
- Orders
 - City
 - Customer ID
 - Customer Name
 - Customer Segment
 - Days to Ship
 - Discount
 - Order Date
 - Order ID
 - Order Priority
 - Postal Code
 - Product Base Margin
 - Product Category

Adding New Column

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Insert Modeling View Optimize Help

Clipboard: Paste, Copy, Format painter

Data: Get data, Excel workbook, OneLake data hub, SQL Server, Enter data, Dataverse, Recent sources

Queries: Transform data, Refresh data

Visuals: New visual, Text box, More visuals

Calculations: New measure, Quick measure

Sensitivity: Sensitivity

Share: Publish

Build visuals with your data

Select or drag fields from the Data pane onto the report canvas.

Filters

Visualizations

Data

Build visual

Select

- New measure
- New column
- New quick measure
- Refresh data
- Edit query
- Manage relationships
- Incremental refresh
- Manage aggregations
- Rename
- Delete from model
- Hide
- Mark as date table
- View hidden
- Unhide all
- Collapse all
- Expand all

Values

- Add data field
- Drill through
- Cross-report
- Keep all filters
- Add drill-through

Page 1 of 1

Using Date IF Function

The screenshot shows the Power BI Desktop interface. The formula bar at the top contains the formula: `1 Days to Ship = DATEDIFF(Orders[Order Date].[Date], Orders[Ship Date].[Date], DAY)`. The Visualizations pane on the right shows the 'Build visual' section with various chart types. The Data pane on the right shows the 'Orders' table with columns like City, Customer ID, Customer Name, Customer Segment, Days to Ship, Discount, Order Date, Order ID, Order Priority, Postal Code, Product Base Margin, Product Category, Product Container, Product Name, Product Sub-Category, Profit, and Quantity ordered.

The screenshot shows the Power BI Desktop interface with a table view of the 'Orders' table. The table has 6,527 rows and 20 distinct values for the 'Days to Ship' column. The columns are: Province, City, Postal Code, Order Date, Ship Date, Profit, Quantity ordered new, Sales, Order ID, and Days to Ship. The table is sorted by 'Days to Ship' in ascending order.

Province	City	Postal Code	Order Date	Ship Date	Profit	Quantity ordered new	Sales	Order ID	Days to Ship
California	San Jose	95123	Saturday, December 29, 2012	Monday, December 31, 2012	-13.86	4	28.61	90200	2
Massachusetts	Weymouth	7481	Wednesday, April 11, 2012	Friday, April 13, 2012	-180.17	10	64.83	89247	2
Massachusetts	Boston	2129	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7	42528	1
Massachusetts	Nutley	7110	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44	88206	1
Massachusetts	Kearns	84118	Sunday, December 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17	86524	2
Massachusetts	Kearns	84118	Thursday, April 18, 2013	Monday, April 22, 2013	-17.58	2	15.27	86526	4
Massachusetts	Richland	99352	Sunday, October 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7	89962	2
Massachusetts	Colonial Heights	23834	Thursday, June 6, 2013	Friday, June 7, 2013	26.472	8	54.01	90830	1
Massachusetts	Lehi	84043	Sunday, January 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2	90431	1
Massachusetts	Mint Hill	28227	Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73	88528	3
Massachusetts	Louisville	80027	Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46	86628	5
Massachusetts	Maryville	37804	Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71	89145	2
Massachusetts	Forest Park	30297	Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12	88950	2
Massachusetts	Charlotte	28204	Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81	23781	2
Massachusetts	Loveland	80538	Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94	90840	2
Massachusetts	Northglenn	80233	Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41	90839	1
Massachusetts	Dover	3820	Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08	87393	4
Massachusetts	King of Prussia	19406	Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45	91137	2
Massachusetts	Memphis	38109	Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01	90919	1
Massachusetts	Lodi	95240	Saturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76	87806	1
Massachusetts	New York City	10177	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13	7079	2
Massachusetts	West Babylon	11704	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59	87739	2

Using RANKX Function

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

Search

Suresh J

File Home Help Table tools Column tools

Name Sales Ranking High... Format Whole number Summarization Sum Data category Uncategorized

Structure Formatting Properties Sort Data groups Manage relationships New column

1 Sales Ranking Highest = RANKX(Orders,Orders[Sales])

Postal Code	Order Date	Ship Date	Profit	Quantity ordered new	Sales	Order ID	Days to Ship	Sales Ranking Highest
95123	Saturday, December 29, 2012	Monday, December 31, 2012	-13.86	4	28.61	90200	2	5774
7481	Wednesday, April 11, 2012	Friday, April 13, 2012	-180.17	10	64.83	89247	2	4832
2129	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7	42528	1	3280
7110	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44	88206	1	5189
84118	Sunday, December 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17	86524	2	4413
84118	Thursday, April 18, 2013	Monday, April 22, 2013	-17.58	2	15.27	86526	4	6179
99352	Sunday, October 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7	89962	2	3726
23834	Thursday, June 6, 2013	Friday, June 7, 2013	26.472	8	54.01	90830	1	5068
84043	Sunday, January 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2	90431	1	5787
28227	Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73	88528	3	5096
80027	Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46	86628	5	4354
37804	Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71	89145	2	4761
30297	Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12	88950	2	4203
28204	Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81	23781	2	2443
80538	Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94	90840	2	4657
80233	Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41	90839	1	4229
3820	Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08	87393	4	6339
19406	Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45	91137	2	5712
38109	Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01	90919	1	3793
95240	Saturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76	87806	1	4038
10177	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13	7079	2	3882
11704	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59	87739	2	5554

Table: Orders (6,527 rows) Column: Sales Ranking Highest (6,142 distinct values)

ENG US 10:41 AM 10/26/2023

Quick Measure

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

Search

Suresh J

File Home Help Table tools Column tools

Name Sales Ranking High... Format Whole number Summarization Sum Data category Uncategorized

Structure Formatting Properties Sort Data groups Manage relationships New column

1 Sales Ranking Highest = RANKX(Orders,Orders[Sales])

Postal Code	Order Date	Ship Date	Profit	Quantity ordered new	Sales	Order ID	Days to Ship	Sales Ranking Highest
95123	Saturday, December 29, 2012	Monday, December 31, 2012	-13.86	4	28.61	90200	2	5774
7481	Wednesday, April 11, 2012	Friday, April 13, 2012	-180.17	10	64.83	89247	2	4832
2129	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7	42528	1	3280
7110	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44	88206	1	5189
84118	Sunday, December 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17	86524	2	4413
84118	Thursday, April 18, 2013	Monday, April 22, 2013	-17.58	2	15.27	86526	4	6179
99352	Sunday, October 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7	89962	2	3726
23834	Thursday, June 6, 2013	Friday, June 7, 2013	26.472	8	54.01	90830	1	5068
84043	Sunday, January 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2	90431	1	5787
28227	Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73	88528	3	5096
80027	Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46	86628	5	4354
37804	Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71	89145	2	4761
30297	Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12	88950	2	4203
28204	Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81	23781	2	2443
80538	Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94	90840	2	4657
80233	Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41	90839	1	4229
3820	Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08	87393	4	6339
19406	Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45	91137	2	5712
38109	Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01	90919	1	3793
95240	Saturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76	87806	1	4038
10177	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13	7079	2	3882
11704	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59	87739	2	5554

Table: Orders (6,527 rows) Column: Sales Ranking Highest (6,142 distinct values)

ENG US 11:33 AM 10/26/2023

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools Column tools

Name Sales Ranking High... Format Whole number Summarization Sum Data category Uncategorized Sort by column

Structure Formatting Properties Sort Groups Relationships Calculations

1 Sales Ranking Highest = RANKX(Orders,Orders[Sales])

Postal Code	Order Date	Ship Date	Profit	Quantity ordered new	Sales
95123	Saturday, December 29, 2012	Monday, December 31, 2012	-13.86	4	28.61
7481	Wednesday, April 11, 2012	Friday, April 13, 2012	-180.17	10	64.83
2129	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7
7110	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44
84118	Sunday, December 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17
84118	Thursday, April 18, 2013	Monday, April 22, 2013	-17.58	2	15.27
99352	Sunday, October 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7
23834	Thursday, June 6, 2013	Friday, June 7, 2013	26.472	8	54.01
84043	Sunday, January 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2
28227	Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73
80027	Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46
37804	Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71
30297	Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12
28204	Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81
80538	Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94
80233	Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41
3820	Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08
19406	Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45
38109	Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01
95240	Saturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76
10177	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13
11704	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59

Table: Orders (6,527 rows) Column: Sales Ranking Highest (6,142 distinct values)

Quick measure

Select a calculation to create a measure or describe the measure you need and we'll generate suggestions in DAX, which you can customize later.

Calculations

Month-over-month change

Rolling average

Totals

Running total

Total for category (filters applied)

Total for category (filters not applied)

Mathematical operations

Addition

Subtraction

Multiplication

Add

Data

Search

DimCustomer

DimProducts

Disinct Order Count

Lab-Merge Order&Return

Manager

Merge

Orders

City

Customer ID

Customer Name

Customer Segment

Days to Ship

Discount

Order Date

Order ID

Order Priority

Postal Code

Product Base Margin

Product Category

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools Column tools

Name Sales Ranking High... Format Whole number Summarization Sum Data category Uncategorized Sort by column

Structure Formatting Properties Sort Groups Relationships Calculations

1 Sales Ranking Highest = RANKX(Orders,Orders[Sales])

Postal Code	Order Date	Ship Date	Profit	Quantity ordered new	Sales
95123	Saturday, December 29, 2012	Monday, December 31, 2012	-13.86	4	28.61
7481	Wednesday, April 11, 2012	Friday, April 13, 2012	-180.17	10	64.83
2129	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7
7110	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44
84118	Sunday, December 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17
84118	Thursday, April 18, 2013	Monday, April 22, 2013	-17.58	2	15.27
99352	Sunday, October 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7
23834	Thursday, June 6, 2013	Friday, June 7, 2013	26.472	8	54.01
84043	Sunday, January 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2
28227	Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73
80027	Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46
37804	Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71
30297	Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12
28204	Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81
80538	Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94
80233	Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41
3820	Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08
19406	Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45
38109	Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01
95240	Saturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76
10177	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13
11704	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59

Table: Orders (6,527 rows) Column: Sales Ranking Highest (6,142 distinct values)

Quick measure

Select a calculation to create a measure or describe the measure you need and we'll generate suggestions in DAX, which you can customize later.

Calculations

Total for category (filters not applied)

Calculate the total across all values in a category ignoring any filters applied in your report. [Learn more](#)

Base value

Sales

Category

Order ID

Add

Data

Search

Merge

Orders

City

Customer ID

Customer Name

Customer Segment

Days to Ship

Discount

Order Date

Order ID

Order Priority

Postal Code

Product Base Margin

Product Category

Product Container

Product Name

Product Sub-Category

Profit

Quantity ordered new

Measure

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Insert Modeling View Optimize Help

Clipboard: Paste, Cut, Copy, Format painter

Data: Get data, Excel, OneLake data, SQL Server, Enter data, Dataverse, Recent sources, Transform data, Refresh data, New visual, Text box, More visuals, New measure, Quick measure, Sensitivity, Publish

Build visuals with your data

Select or drag fields from the Data pane onto the report canvas.

Data pane fields: Customer ID, Customer Name, Customer Segment, Days to Ship, Discount, Order Date, Order ID, Order Priority, Postal Code, Product Category, Product Container, Product Name, Product Sub-Category, Profit

Context menu options: Select, New measure, New column, New quick measure, Refresh data, Edit query, Manage relationships, Incremental refresh, Manage aggregations, Rename, Delete from model, Hide, Mark as date table, View hidden, Unhide all, Collapse all, Expand all

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools Measure tools

Name: Measure, Format: General, Data category: Uncategorized, Home table: Orders

Structure: 1 Measure = CALCULATE(Orders[Sales total for Order ID],ALLSELECTED(Orders[Product Category]))

Table: Orders (6,527 rows) Column: Measure (0 distinct values)

Postal Code	Order Date	Ship Date	Profit	Quantity ordered new	Sales	Order ID	Days to Ship	Sales Ranking Highest
95123	Saturday, December 29, 2012	Monday, December 31, 2012	-13.86	4	28.61	90200	2	5774
7481	Wednesday, April 11, 2012	Friday, April 13, 2012	-180.17	10	64.83	89247	2	4832
2129	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7	42528	1	3280
7110	Wednesday, February 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44	88206	1	5189
84118	Sunday, December 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17	86524	2	4413
84118	Thursday, April 18, 2013	Monday, April 22, 2013	-17.58	2	15.27	86526	4	6179
99352	Sunday, October 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7	89962	2	3726
23834	Thursday, June 6, 2013	Friday, June 7, 2013	26.472	8	54.01	90830	1	5068
84043	Sunday, January 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2	90431	1	5787
28227	Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73	88528	3	5096
80027	Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46	86628	5	4354
37804	Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71	89145	2	4761
30297	Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12	88950	2	4203
28204	Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81	23781	2	2443
80538	Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94	90840	2	4657
80233	Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41	90839	1	4229
3820	Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08	87393	4	6339
19406	Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45	91137	2	5712
38109	Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01	90919	1	3793
95240	Saturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76	87806	1	4038
10177	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13	7079	2	3882
11704	Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59	87739	2	5554

Data pane fields: DimCustomer, DimProducts, Disinct Order Count, Lab-Merge Order&Return, Manager, Merge, Orders, City, Customer ID, Customer Name, Customer Segment, Days to Ship, Discount, Measure, Order Date, Order ID, Order Priority, Postal Code, Product Base Margin

Creating Date Table

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools

Clipboard: Paste, Cut, Copy

Data: Get data, Excel workbook, OneLake data hub, SQL Server, Enter data, Dataverse, Recent sources

Queries: Transform data, Refresh data

Relationships: Manage relationships

Measurements: New measure, Quick measure, New measure column, New table

Security: Manage roles, View as

Sensitivity: Sensitivity, Publish

Table: 1 Dates = ADDCOLUMNS(CALENDAR(AUTO()), "year", YEAR([Date]), "quarter", "Q"&QUARTER([Date]), "Month", FORMAT([Date], "mmm"), "month number", MONTH([Date]))

Table: Dates (1,826 rows)

Date	year	quarter	Month	month number
7/1/2012 12:00:00 AM	2012	Q3	Jul	7
7/2/2012 12:00:00 AM	2012	Q3	Jul	7
7/3/2012 12:00:00 AM	2012	Q3	Jul	7
7/4/2012 12:00:00 AM	2012	Q3	Jul	7
7/5/2012 12:00:00 AM	2012	Q3	Jul	7
7/6/2012 12:00:00 AM	2012	Q3	Jul	7
7/7/2012 12:00:00 AM	2012	Q3	Jul	7
7/8/2012 12:00:00 AM	2012	Q3	Jul	7
7/9/2012 12:00:00 AM	2012	Q3	Jul	7
7/10/2012 12:00:00 AM	2012	Q3	Jul	7
7/11/2012 12:00:00 AM	2012	Q3	Jul	7
7/12/2012 12:00:00 AM	2012	Q3	Jul	7
7/13/2012 12:00:00 AM	2012	Q3	Jul	7
7/14/2012 12:00:00 AM	2012	Q3	Jul	7
7/15/2012 12:00:00 AM	2012	Q3	Jul	7
7/16/2012 12:00:00 AM	2012	Q3	Jul	7
7/17/2012 12:00:00 AM	2012	Q3	Jul	7
7/18/2012 12:00:00 AM	2012	Q3	Jul	7
7/19/2012 12:00:00 AM	2012	Q3	Jul	7
7/20/2012 12:00:00 AM	2012	Q3	Jul	7
7/21/2012 12:00:00 AM	2012	Q3	Jul	7
7/22/2012 12:00:00 AM	2012	Q3	Jul	7
7/23/2012 12:00:00 AM	2012	Q3	Jul	7

Marked as Date Table to Date

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools

Clipboard: Paste, Cut, Copy

Data: Get data, Excel workbook, OneLake data hub, SQL Server, Enter data, Dataverse, Recent sources

Queries: Transform data, Refresh data

Relationships: Manage relationships

Measurements: New measure, Quick measure, New measure column, New table

Security: Manage roles, View as

Sensitivity: Sensitivity, Publish

Table: 1 Dates = ADDCOLUMNS(CALENDAR(AUTO()), "year", YEAR([Date]), "quarter", "Q"&QUARTER([Date]), "Month", FORMAT([Date], "mmm"), "month number", MONTH([Date]))

Table: Dates (1,826 rows)

Date	year	quarter	Month	month number
7/1/2012 12:00:00 AM	2012	Q3	Jul	7
7/2/2012 12:00:00 AM	2012	Q3	Jul	7
7/3/2012 12:00:00 AM	2012	Q3	Jul	7
7/4/2012 12:00:00 AM	2012	Q3	Jul	7
7/5/2012 12:00:00 AM	2012	Q3	Jul	7
7/6/2012 12:00:00 AM	2012	Q3	Jul	7
7/7/2012 12:00:00 AM	2012	Q3	Jul	7
7/8/2012 12:00:00 AM	2012	Q3	Jul	7
7/9/2012 12:00:00 AM	2012	Q3	Jul	7
7/10/2012 12:00:00 AM	2012	Q3	Jul	7
7/11/2012 12:00:00 AM	2012	Q3	Jul	7
7/12/2012 12:00:00 AM	2012	Q3	Jul	7
7/13/2012 12:00:00 AM	2012	Q3	Jul	7
7/14/2012 12:00:00 AM	2012	Q3	Jul	7
7/15/2012 12:00:00 AM	2012	Q3	Jul	7
7/16/2012 12:00:00 AM	2012	Q3	Jul	7
7/17/2012 12:00:00 AM	2012	Q3	Jul	7
7/18/2012 12:00:00 AM	2012	Q3	Jul	7
7/19/2012 12:00:00 AM	2012	Q3	Jul	7
7/20/2012 12:00:00 AM	2012	Q3	Jul	7
7/21/2012 12:00:00 AM	2012	Q3	Jul	7
7/22/2012 12:00:00 AM	2012	Q3	Jul	7
7/23/2012 12:00:00 AM	2012	Q3	Jul	7

Context menu options:

- New measure
- New column
- New quick measure
- Manage relationships
- Copy table
- Rename
- Delete from model
- Hide in report view
- Mark as date table
- Date table settings
- Unhide all
- Collapse all
- Expand all

Creating End of Month Column

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools Column tools

Name: End of Month Format: *3/14/2001 1:30:55... Summarization: Don't summarize Data category: Uncategorized

Structure: 1 End of Month = ENDOFMONTH(Orders(Order Date))

Order Date	Ship Date	Profit	Quantity ordered new	Sales	Order ID	Days to Ship	Sales Ranking Highest	End of Month
Friday, January 14, 2011	Monday, January 17, 2011	-22.554	8	52.73	88528	3	5096	1/31/2011 12:00:00 AM
Sunday, September 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46	86628	5	4354	9/30/2013 12:00:00 AM
Sunday, January 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71	89145	2	4761	1/31/2013 12:00:00 AM
Wednesday, October 31, 2012	Friday, November 2, 2012	7.5	15	100.12	88950	2	4203	10/31/2012 12:00:00 AM
Wednesday, October 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81	23781	2	2443	10/31/2012 12:00:00 AM
Sunday, July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94	90840	2	4657	7/31/2012 12:00:00 AM
Friday, June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41	90839	1	4229	6/30/2012 12:00:00 AM
Wednesday, August 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08	87393	4	6339	8/31/2013 12:00:00 AM
Wednesday, October 23, 2013	Friday, October 25, 2013	-28.88	4	30.45	91137	2	5712	10/31/2013 12:00:00 AM
Tuesday, October 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01	90919	1	3793	10/31/2012 12:00:00 AM
aturday, September 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76	87806	1	4038	9/30/2012 12:00:00 AM
Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13	7079	2	3882	2/27/2011 12:00:00 AM
Tuesday, February 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59	87739	2	5554	2/27/2011 12:00:00 AM
Saturday, July 20, 2013	Monday, July 22, 2013	-92.05	48	320.23	5441	2	2698	7/31/2013 12:00:00 AM
Tuesday, July 20, 2013	Thursday, July 22, 2013	-92.05	10	66.71	88906	2	4783	7/31/2013 12:00:00 AM
Sunday, May 20, 2012	Tuesday, May 22, 2012	-26.278	4	29.98	90708	2	5724	5/31/2012 12:00:00 AM
Friday, May 31, 2013	Friday, June 7, 2013	-179.11	14	90.21	90372	7	4338	5/31/2013 12:00:00 AM
Wednesday, August 31, 2011	Friday, September 2, 2011	-78.9984	18	122.1	89328	2	3932	8/31/2011 12:00:00 AM
Saturday, March 13, 2010	Sunday, March 14, 2010	-75.44	5	32.39	87579	1	5658	3/31/2010 12:00:00 AM
Tuesday, March 1, 2011	Wednesday, March 2, 2011	-56.68	31	189.95	738	1	3361	3/31/2011 12:00:00 AM
Friday, March 29, 2013	Sunday, March 31, 2013	-162.75	28	174.1	46787	2	3482	3/31/2013 12:00:00 AM
Tuesday, March 1, 2011	Wednesday, March 2, 2011	-56.68	8	49.02	86437	1	5174	3/31/2011 12:00:00 AM

Table: Orders (6,527 rows) Column: End of Month (48 distinct values)

Creating End of Quarter Column

Sample Super store • Last saved: 10/20/2023 at 1:17 PM

File Home Help Table tools Column tools

Name: End of Quarter Format: 2001-03-14 (yyyy-mm-dd) Summarization: Don't summarize Data category: Uncategorized

Structure: 1 End of Quarter = ENDOFQUARTER(Orders(Order Date))

Order Date	Ship Date	Profit	Quantity ordered new	Sales	Order ID	Days to Ship	Sales Ranking Highest	End of Month	End of Quarter
ber 29, 2012	Monday, December 31, 2012	-13.86	4	28.61	90200	2	5774	31/12/2012	2012-12-31
ril 11, 2012	Friday, April 13, 2012	-180.17	10	64.83	89247	2	4832	30/04/2012	2012-06-30
ary 23, 2011	Thursday, February 24, 2011	-147.72	29	200.7	42528	1	3280	27/02/2011	2011-03-31
ary 23, 2011	Thursday, February 24, 2011	-147.72	7	48.44	88206	1	5189	27/02/2011	2011-03-31
ber 30, 2012	Tuesday, January 1, 2013	-26.105	13	86.17	86524	2	4413	31/12/2012	2012-12-31
ril 18, 2013	Monday, April 22, 2013	-17.58	2	15.27	86526	4	6179	30/04/2013	2013-06-30
ober 2, 2011	Tuesday, October 4, 2011	-275.0544	22	143.7	89962	2	3726	31/10/2011	2011-12-31
June 6, 2013	Friday, June 7, 2013	26.472	8	54.01	90830	1	5068	30/06/2013	2013-06-30
ary 10, 2010	Monday, January 11, 2010	-105.6852	4	28.2	90431	1	5787	31/01/2010	2010-03-31
ary 14, 2011	Monday, January 17, 2011	-22.554	8	52.73	88528	3	5096	31/01/2011	2011-03-31
ber 22, 2013	Friday, September 27, 2013	-78.3012	13	89.46	86628	5	4354	30/09/2013	2013-09-30
ary 13, 2013	Tuesday, January 15, 2013	-284.578	10	67.71	89145	2	4761	31/01/2013	2013-03-31
ber 31, 2012	Friday, November 2, 2012	7.5	15	100.12	88950	2	4203	31/10/2012	2012-12-31
ber 31, 2012	Friday, November 2, 2012	-79.6005	59	393.81	23781	2	2443	31/10/2012	2012-12-31
July 1, 2012	Tuesday, July 3, 2012	-193.39	11	72.94	90840	2	4657	31/07/2012	2012-09-30
June 8, 2012	Saturday, June 9, 2012	-61.536	15	98.41	90839	1	4229	30/06/2012	2012-06-30
gust 7, 2013	Sunday, August 11, 2013	-5.64768	1	10.08	87393	4	6339	31/08/2013	2013-09-30
ber 23, 2013	Friday, October 25, 2013	-28.88	4	30.45	91137	2	5712	31/10/2013	2013-12-31
ober 9, 2012	Wednesday, October 10, 2012	-119.448	20	136.01	90919	1	3793	31/10/2012	2012-12-31
ber 22, 2012	Sunday, September 23, 2012	-189.33	17	114.76	87806	1	4038	30/09/2012	2012-09-30
uary 8, 2011	Thursday, February 10, 2011	-34.91	18	128.13	7079	2	3882	27/02/2011	2011-03-31
uary 8, 2011	Thursday, February 10, 2011	-34.91	5	35.59	87739	2	5554	27/02/2011	2011-03-31

Table: Orders (6,527 rows) Column: End of Quarter (16 distinct values)

Using the Power BI File of Retail Analysis Sample

KPI Visualization

